

**AUTOMATIC SWITCHING CIRCUIT FOR INPUT SIGNAL PATH**

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**Abstract**

**PURPOSE:**To detect the frequency of the synchronizing signal of an input signal and automatically switching the path of the input signal so as to eliminate the trouble of manual switch switching as for a circuit which switches input signal paths from plural different signal terminals used for a display device.  
**CONSTITUTION:**This circuit is an automatic input signal switching circuit consisting of the input signal path switching circuit 4 equipped with plural signal input terminals 1-3, a synchronizing signal separating circuit 5 which separates a video signal and the synchronizing signal a synchronizing signal detecting means 6, a signal path switching control means 7 which operates according to the detection state of the synchronizing signal detecting means 6; and the input signal switching circuit switches the input signal paths in order by a signal switching means when the signal detecting means 6 detects the absence of the synchronizing signal or stops the sequential input switching operation when the synchronizing signal detecting means 6 detects the presence of the synchronizing signal.

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